

ILLUSTRATIONS
OF
NORTH AMERICAN LEPIDOPTERA,
SPHINGIDÆ.

J. W. WEIDEMEYER, S. CALVERLEY

184

AND

W. H. EDWARDS.

PHILADELPHIA.
THE AMERICAN ENTOMOLOGICAL SOCIETY.
1903.



Fourteen copies published of which this is No. 11

PREFACE.

The American Entomological Society purchased the plates of this work from Mr. W. H. Edwards, and I considered them of sufficient importance to ask this Society to undertake their publication. We possess one copy colored and thirteen plain. Mr. Edwards speaks of twenty-eight (?) plates, but our sets run to twenty-seven only. There is one copy of the plates in the library of Cornell University, and one copy in the American Museum of Natural History in New York City, those I believe are both colored. The Brooklyn Institute of Arts and Sciences owns twenty-five to thirty sets, of which two are colored. Many of the figures are excellent, and some, as Mr. Edwards states, very poor. There are one hundred and thirty-two figures. I have given a list of the species in accordance with Kirby's Catalogue of the Heterocera, Vol. I, 1902.

HENRY SKINNER.

I am asked by Dr. Skinner to tell what I know concerning the making of these plates of the American Sphingidae. The winter of 1862-1863 I spent in New York, and found that John W. Weidemeyer and Stephen Calverley had begun a work that was intended to give illustrations of all the known species of the Sphingidae found either in North or South America, and Plate I had already issued. On that Plate may be seen the names of the two gentlemen. I found that a German lithograph artist by name of Walo had made the drawings on the stone from life, and had colored one plate for each of the parties interested. Also each had fifty or seventy-five plain plates struck off for himself. I asked that I might join in the project, and was admitted on equal terms with the others. My name was put on Plate III, and is on all that followed. The insects were provided from the collections of one or other of the projectors. I, myself, furnished the example of *elio* figured. It was taken in my father's house, at Hunter Village, in the Catskills, on the night of September, 11, 1865. It was perfectly fresh, and apparently on its first flight. It seemed therefore to have come from a larva that had lived in the neighborhood. So far as I now recollect the species had never been seen within hundreds of miles so far north. No letter press was printed with the plates. It was understood that Mr.

Weidemeyer was to attend to that at a future convenient time, but he never made a beginning. The first plates were all drawn from life, but at Plate IX or X Mr. Weidemeyer began to copy figures from books—Cramer, Herbst and others. I objected to this, but was overruled. All those old figures are coarse, and many quite unrecognizable.

As there were some American species in the collection of the British Museum that had never been figured, I was authorized to secure plates of them if possible. I wrote Mr. Francis Walker, head of the Entomological Section of the Museum, and he very kindly undertook to find an artist and have the species figured. These are upon Plates XVI, XVII and XVIII. Our series went as far as Plate XXVIII (?), and suddenly was stopped by Mr. Weidemeyer. He never told me why; but he sold his whole collection of insects, and gave up the study. About ten years ago I applied to him to know if he would sell me his plates, and the reply was that they were utterly lost, he knew not how. The plates now edited by Dr. Skinner are those which belonged to me.

WM. H. EDWARDS.

Coalburgh, West Virginia, March 26, 1903.

NORTH AMERICAN LEPIDOPTERA, SPHINGIDÆ.

BY

J. W. WEIDEMEYER, S. CALVERLY

AND

W. H. EDWARDS.

TAB. 1.

Fig. 1. *Sphinx chersis* *Hubn.*
cineræa Harr.
" 2. *Ceratomia amyntor* *Hubn.*
quadricornis Harr.
" 3. *Sphecodina abbotti* *Swains.*
" 4. *Eusmerinthus geminatus* *Say.*
" 5. *Gargantua eremitus* *Hubn.*
sordida Harr.

TAB. 2.

Fig. 1. *Gargantua luscitiosa* *Clem.*
" 2. " " "
" 3. *Hyloicus plebeia* *Fabr.*
" 4. *Dilophonota obscura* *Fabr.*
" 5. *Everyx myron* *Cram.*
pampinatrix *Abb.* and
Smith.
" 6. *Everyx chœrilius* *Cram.*

TAB. 3.

Fig. 1. *Deidamia inscriptum* *Harr.*
" 2. *Amphion nessus* *Cram.*
" 3. *Marumba modesta* *Harr.*
" 4. *Darapsa versicolor* *Harr.*
" 5. " " " "

TAB. 4.

Fig. 1. *Dupo vitis* *Linn.*
" 2. *Hemaris thysbe* *Fabr.*
" 3. " *diffinis* *Boisd.*
" 4. *Paonias excaecata* *Abb.* and *Sm.*
" 5. *Deilephila gallii* *Rott.*
" 6. *Tripteron lugubris* *Linn.*

TAB. 5.

Fig. 1. *Sphinx kalmiae* *Abb.* and *Smith.*
" 2. *Dolba hylkens* *Dru.*
" 3. *Gargantua gordius* *Cram.*
" 4. *Deilephila lineata* *Fabr.*
dauca *Cram.*
" 5. *Cressonia juglandis* *Abb.* and *Sm.*
" 6. " " " "

TAB. 6.

Fig. 1. *Pholus achemon* *Dru.*
" 2. *Philampelus satellitia* *Linn.*
" 3. *Theretra terfa* *Linn.*
" 4. *Ellema harrisii* *Clem.*

TAB. 7.

Fig. 1. *Diludia brontes* *Dru.*
" 2. *Phlegethonius cingulata* *Fab.*

* This probably represents *D. linnei* Grote and Rob.

† May be *Darmina undulosa* Walk. *brontes* Boisd.

NORTH AMERICAN LEPIDOPTERA, SPHINGIDÆ.

Fig. 3. *Phlegethontius sexta* Joh.
carolina Linn.
 " 4. *Phlegethontius quinquemaculatus* Haw.

TAB. 8.

Fig. 1. *Calasymbolus astylus* Dru.
 " 2. " " "
 " 3. *Sphinx drupiferarum* Abb. and Smith.
 " 4. *Eusmerinthus myops* Abb. and Smith.
 " 5. *Chlaenogramma jasminearum* Guer.

TAB. 9.

Fig. 1. *Aellopos tantalus* Linn.
 " 2. *Smerinthus ophthalmicus* Boisd.
 " 3. *Phlegethontius rustica* Fabr.
 " 4. *Pteron gaurae* Abb. and Smith.
 " 5. *Perigonia lusca* Fabr.
 " 6. *Phlegethontius pellenia* Herr.-Schäff.

TAB. 10.

Fig. 1. *Phlegethontius oclus* Klug.
 " 2. *Cocytius antaeus* Dru.
 " 3. *Diludia florestan* Stoll.

TAB. 11.

Fig. 1. *Pachylia fieis* Linn.
 " 2. *Duporthypion* Klug.
 " 3. *Pachylia syces* Hüb.
inornata Clem.

TAB. 12.

Fig. 1. *Ellema coniferarum* Abb. and Sm.
 " 2. *Eupyrrhoglossum ceculus* Cram.
 " 3. *Argens labruscae* Linn.
 " 4. *Eupyrrhoglossum sagra* Poey.
 " 5. *Dupo vitis* Linn.

¹ Looks very little like *clarkiae*.

TAB. 13.

Fig. 1. *Ambulyx strigilis* Linn.
 " 2. *Anceryx alope* Dru.
 " 3. *Dienecees clarkiae* Boisd.*
 " 4. *Theretra chiron* Dru.
 " 5. *Euproserpinus phaeton* Grote and Rob.

TAB. 14.

Fig. 1. *Unzela japix* Cram.
 " 2. *Theretra draneus* Cram.
 " 3. *Cocytius clientinus* Cram.
 " 4. *Everyx pholus* Cram.
 " 5. *Phryxus caicus* Cram.

TAB. 15.

Fig. 1. *Triptogon camertus* Cram.
 " 2. *Phlegethontius paphus* Stoll.
 " 3. *Pseudophinx tetrio* Linn.
hasdrubal Stoll.
 " 4. *Isognathus seyon* Stoll.
 " 5. *Calliomma licastus* Stoll.

TAB. 16.

Fig. 1. *Dilophonota omphaleæ* Boisd.
anotrus Grote.
 " 2. " *ello* Linn.
 " 3. *Ambulyx gannasens* Stoll.

TAB. 17.

Fig. 1. *Pachygonia subhamata* Walk.
 " 2. *Perigonia restituta* Walk.
 " 3. *Hemaris thysbe* Fabr.
 " 4. *Perigonia glaucescens* Walk.
 " 5. *Himantoides undata* Walk.
 " 6. *Lepisesia flavofasciata* Walk.

TAB. 18.

Fig. 1. *Diludia brontes* Dru.
 " 2. *Theretra falco* Walk.
 " 3. *Darapsa rhodocera* Walk.
 " 4. *Pachylia resumens* Walk

NORTH AMERICAN LEPIDOPTERA, SPHINGIDÆ.

TAB. 19.

Fig. 1. *Ellema bonbycoides* Walk.
 " 2. *Dilophonota guttularis* Walk.
 " 3. *Pachylia inconspicua* Walk.
 " 4. *Cautethia noctuiformis* Walk.
 " 5. *Arctonotus lucidus* Boisd.

TAB. 20.

Fig. 1. *Philampelus auchenolus* Cram.
 " 2. *Calliomma pluto* Fab.
 " *thorates* Hubn.
 " 3. *Ahuron chloroptera* Perpy.
 " 4. *Phlegethonius hammibal* Stoll.

TAB. 21.

Fig. 1. *Aellopos tantalus* Linn.
 " 2. *Triptogon gorgon* Cram.
 " 3. *Eusmerinthus cerisii* Kirby.
 " 4. " " "

TAB. 22.

Fig. 1. *Darapsa porcus* Hubn.
 " 2. *Everyx irrorata* Grote.
 " 3. *Theretra nechus* Cram.
 " 4. *Darapsa gundlachi* Herr.-Schäff.
 " 5. *Theretra robinsonii* Grote.
 " 6. *Deilephila calverleyi* Grote.

TAB. 23.

Fig. 1. *Dilophonota cœnotrus* Stoll.
 " 2. " *melancholica* Grote.
 " 3. " " " "
 " 4. " *ello* Linn.
 " 5. *Isognathus congratulans* Grote.
 " 6. " *rimosus* Grote.

TAB. 24.

Fig. 1. *Perigonia lusca* Fabr.
 " 2. " *lefèbvrei* Lec.
 " 3. *Syzygia afflita* Grote and Rob.
 " 4. *Diludia brontes* Dru.
 " 5. *Pseudosphinx tetrio* Linn.
 " 6. *Hyloicus poeyi* Grote.

TAB. 25.

Fig. 1. *Amphonyx antæus* Dru.
 " 2. " *duponchelii* Poey.
 " 3. *Phlegethonius cingulata* Fabr.
 " 4. *Hemeroplanes pseudothyreus* Gr.
 " 5. *Triptogon ocyptete* Linn.
 " *danum* Cram.

TAB. 26.

Fig. 1. *Philampelus liaonii* Cram.
 " 2. *Hemaris gracilis* Grote and Rob.
 " 3. *Perigonia divisa* Grote.
 " 4. *Theretra nitidula* Chem. var. *laevis* Grote and Rob.
 " 5. *Theretra ceratomioides* Grote and Rob.
 " 6. *Dilophonota pallida* Grote.

TAB. 27.

Fig. 1. *Tatoglossum caricae* Linn.
 " 2. *Syzygia afflita* Grote and Rob.
 " 3. *Aellopos blainii* Herr.-Schäff.
 " 4. *Dupostrema* Mén.

North American Lepidoptera.

Tab 1



δ SPHYNX CINERARIA δ

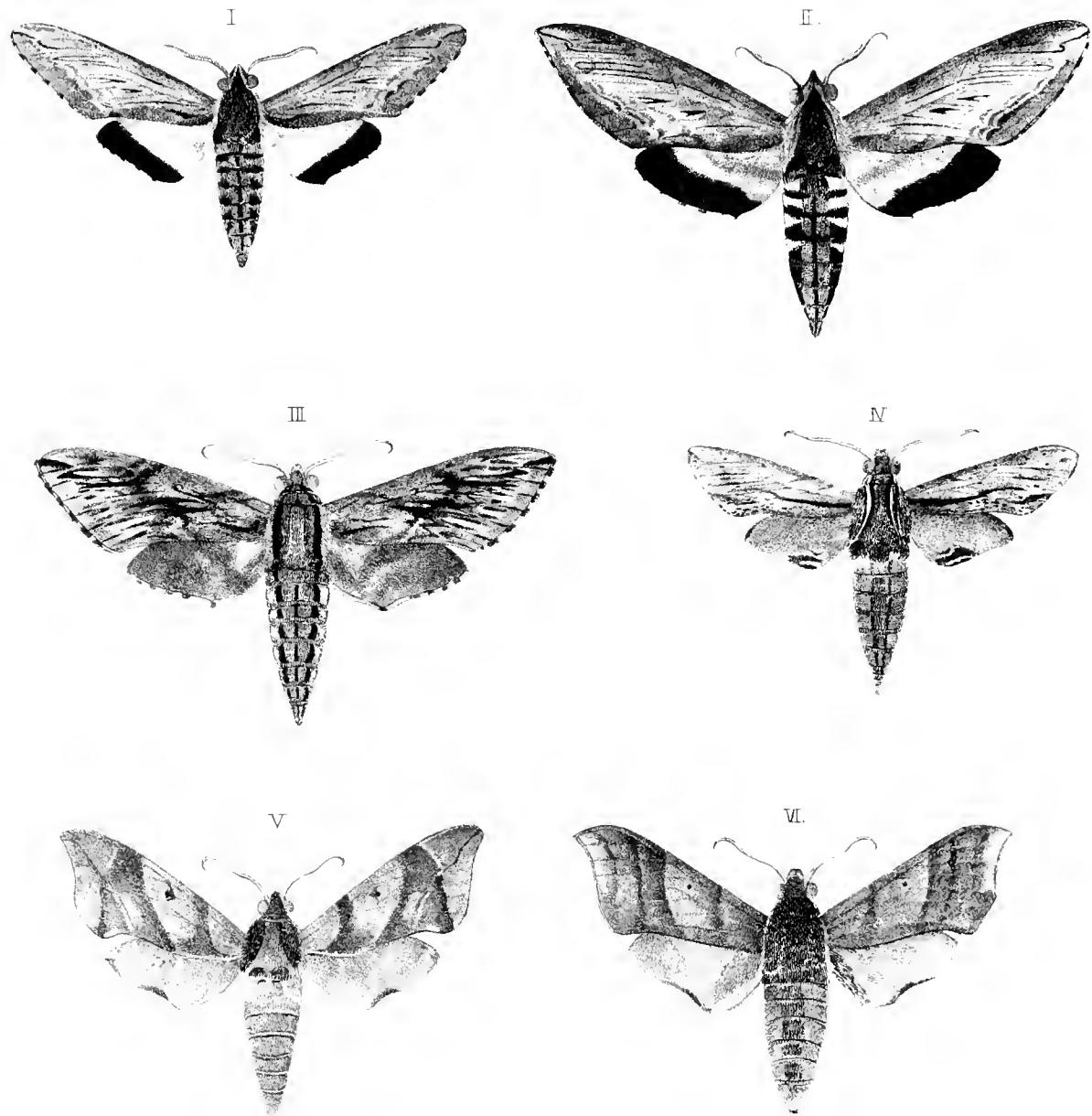
ERIATOMIA QUADRIFORNIS. δ

SPHYNX SORDIDA δ

δ THYREUS LEICHTI. δ

SMERINTHUS GRIMATUS. δ

North American Lepidoptera.



I SPHYNX LUSCITIOSA ♂

II ————— DO ————— ♀

III ————— PLEBEJA ♀

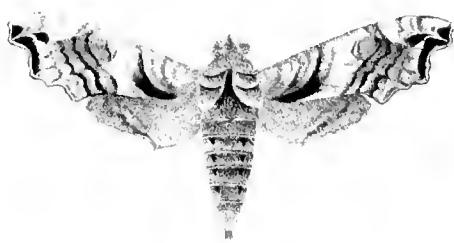
IV SPHYNX OBSCURA ♂

V CHAEROCAMPA PAMPINATRIX ♀

VI ————— CHAERILUS ♀

North American Lepidoptera.

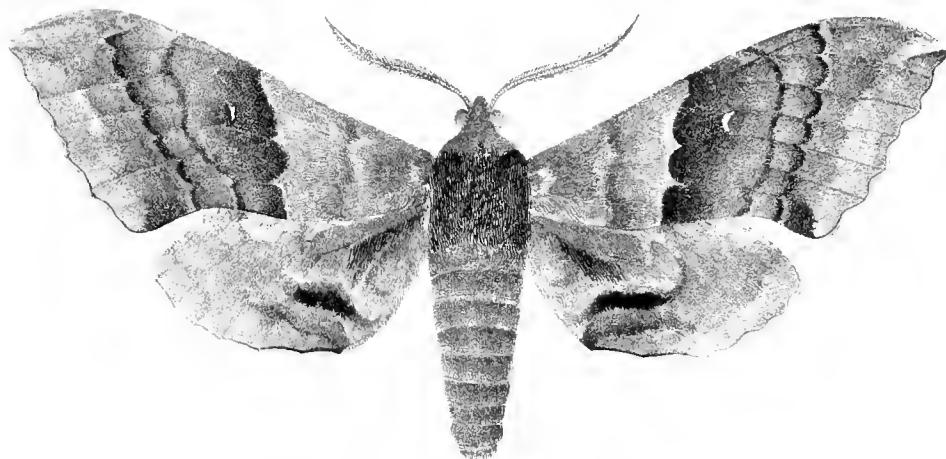
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II



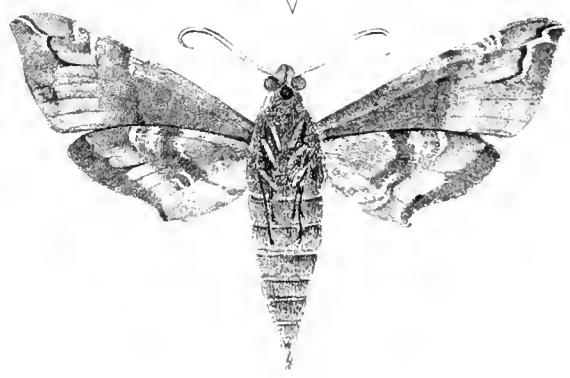
III.



IV



V



I PTEROGON INSCRIPTUM ♀

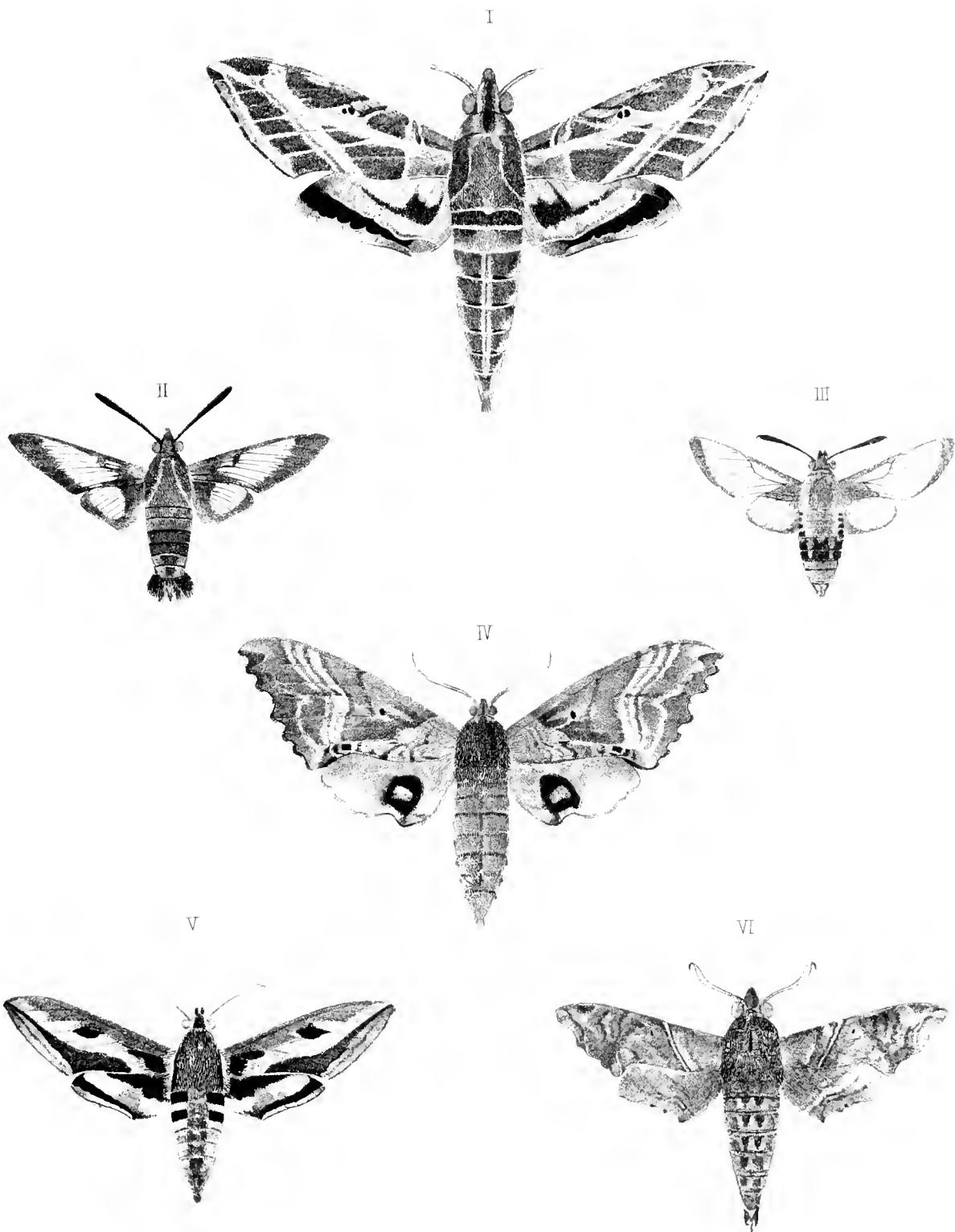
II THYREUS NESSUS ♂

III SMERINTHUS MODESTA ♂

VI CHAEROCAMPA VERECOLOR ♀

V DO DO DO DO DO DO

North American Lepidoptera.



I PHILAMPELUS VITIS ♀

II SESIA THYSBE ♂

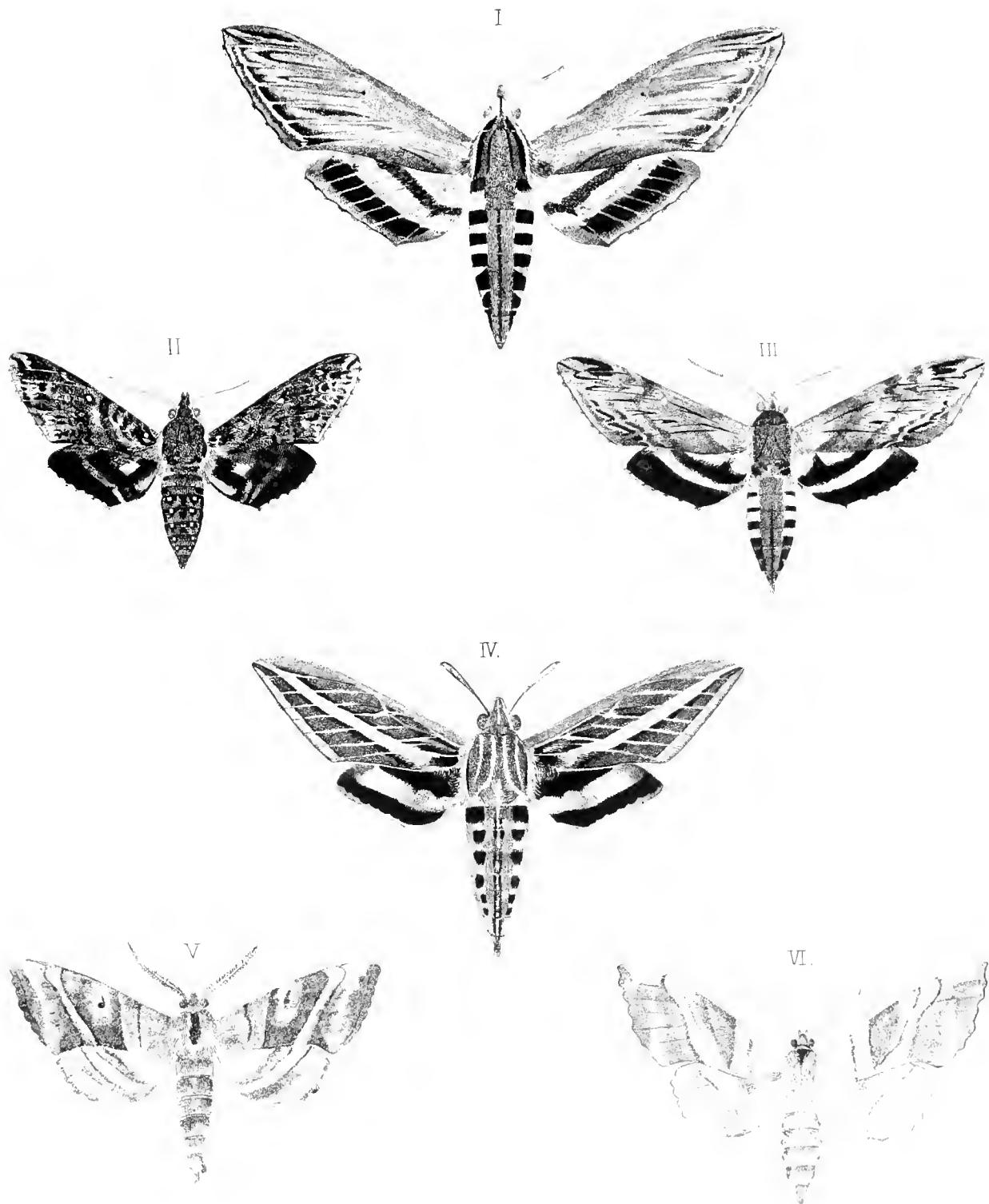
III DO. DIFFINIS ♀

IV SMERINTHUS JAMAICENSIS ♂

V ENYO LYCIS ♀

VI DELIARA LYCIS ♂

North American Lepidoptera.

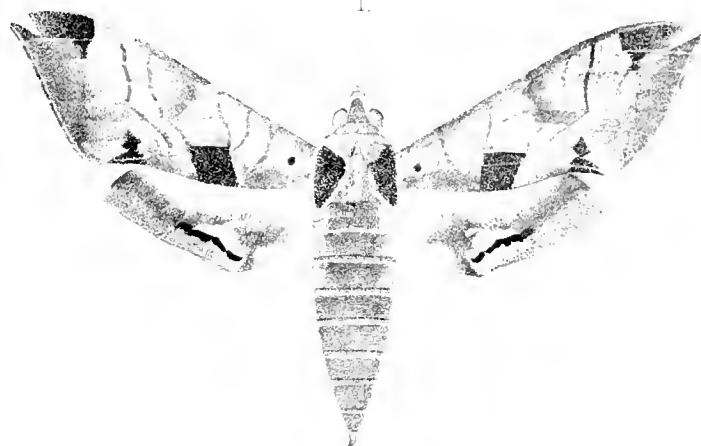


I. *EPHYNX PALMIA* ♀
 II. *DOLBA HYLAEUS* ♂
 III. *EPHYNX GORDIUS* ♂

IV. *DEILEPHILA DAUCUS* ♂
 V. *SMERINTHUS JUGLANDIS* ♂
 VI. DO DO

North American Lepidoptera.

I.



II



III



I AMPHELUS ACHEMON ♀
II DO SATELLITIA ♀

III CHAEROCAMPA TER. ♂
IV ELLEEMA HARRISH ♀

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and WH. EDWARDS.

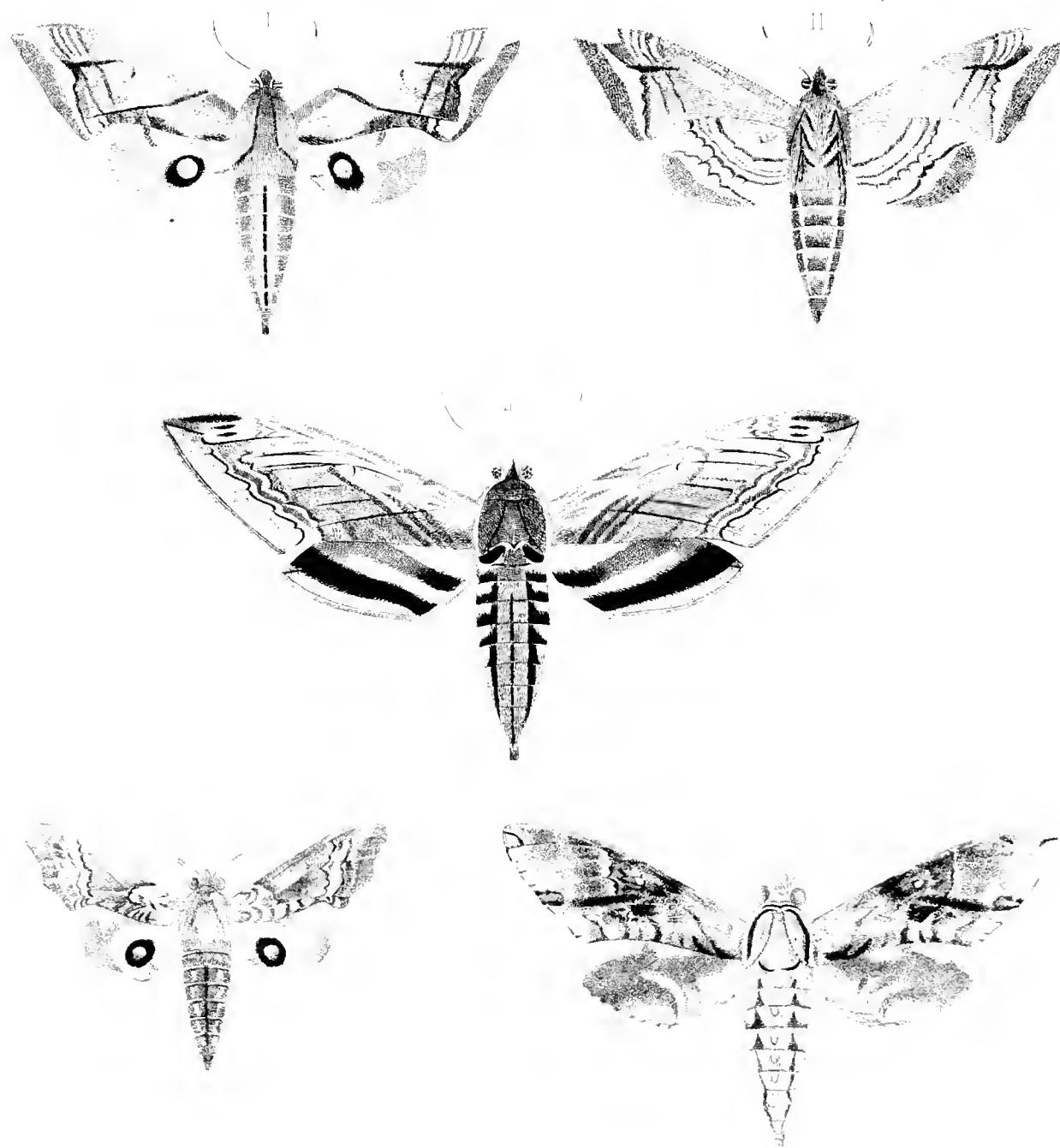
North American Lepidoptera.



I *SEBATIA MELANOTES* ♂
 II *SPHYNX CINERATA* ♀
 III *DO. ♂ = MELANOTA* ♂
 IV *DO. CINERATA* ♂

North American Lepidoptera.

PLATE II



LEMERINTHUS ASTYLUS ♀

II DO DO

III LITURIA PITTIFERIUM —

IV LITURIA PITTIFERIUM ♀

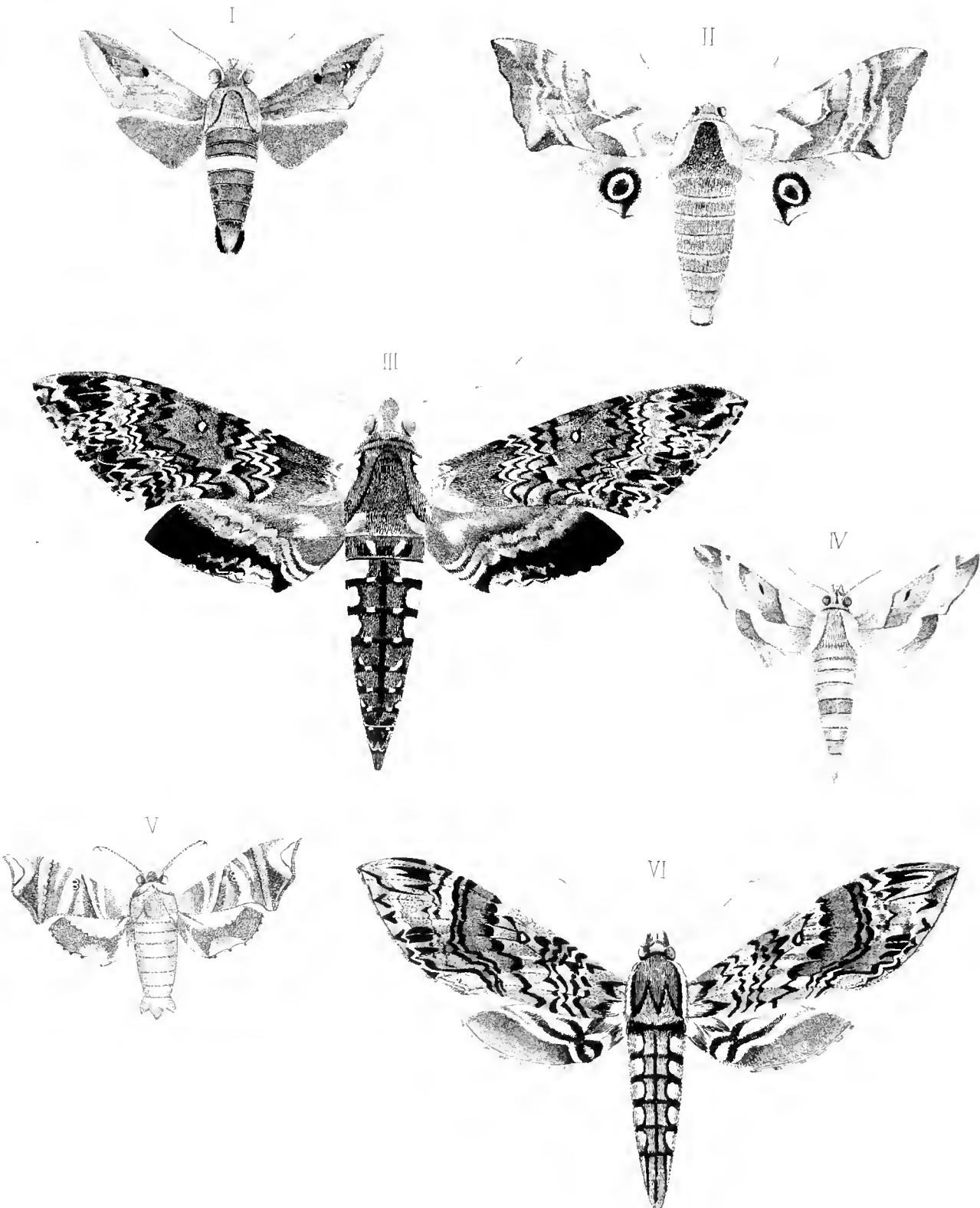
V LITURIA PITTIFERIUM ♂

Published by W. W. HEDWIGEY
and J. A. ALVEREY
and W. H. EDWARD

1871

North American Lepidoptera.

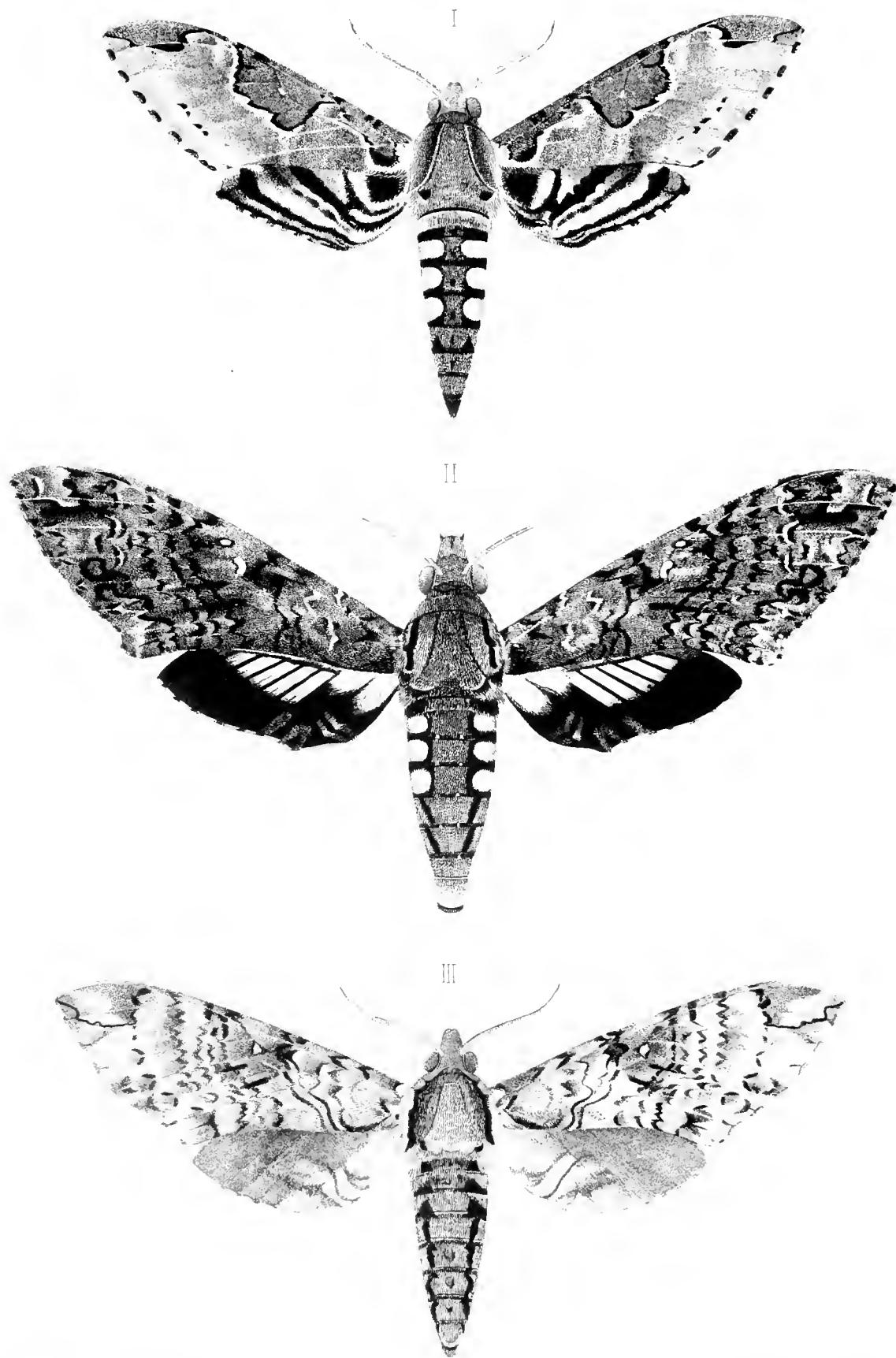
PLATE IX



I MACRUGIA TANIALUS ♂
 II MEPINTHUS PHTHALMIUS ♀
 III MACROMILA FUSTIMA ♂

IV PROSERPINUS GAURAE ♂
 V PERIGONIA TUSCA ♀
 VI CHAEROCAMPA PELLENIA ♀

North American Lepidoptera.



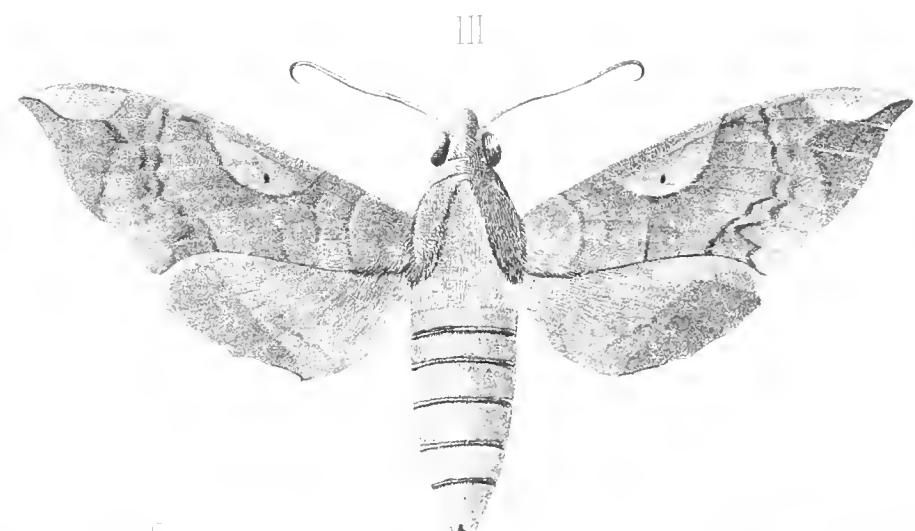
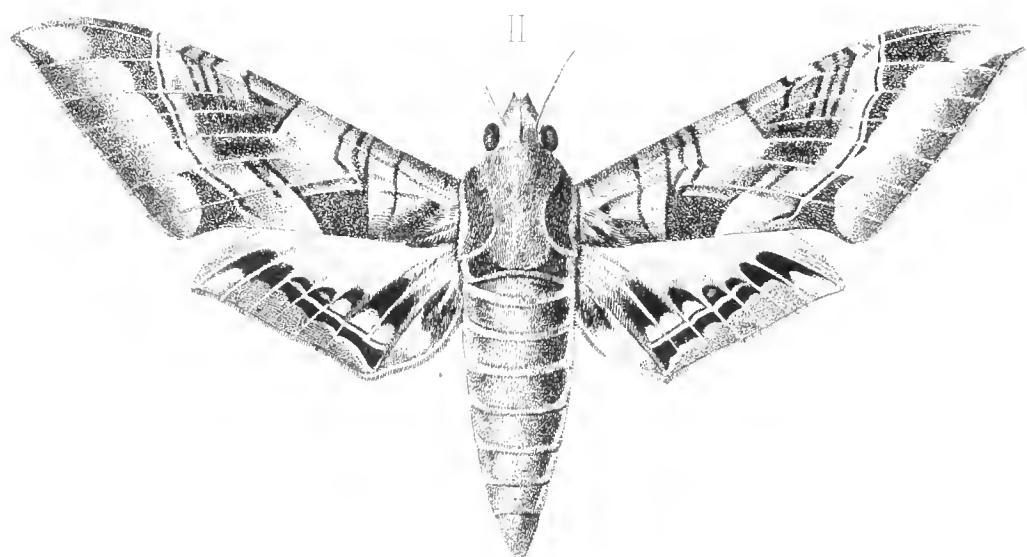
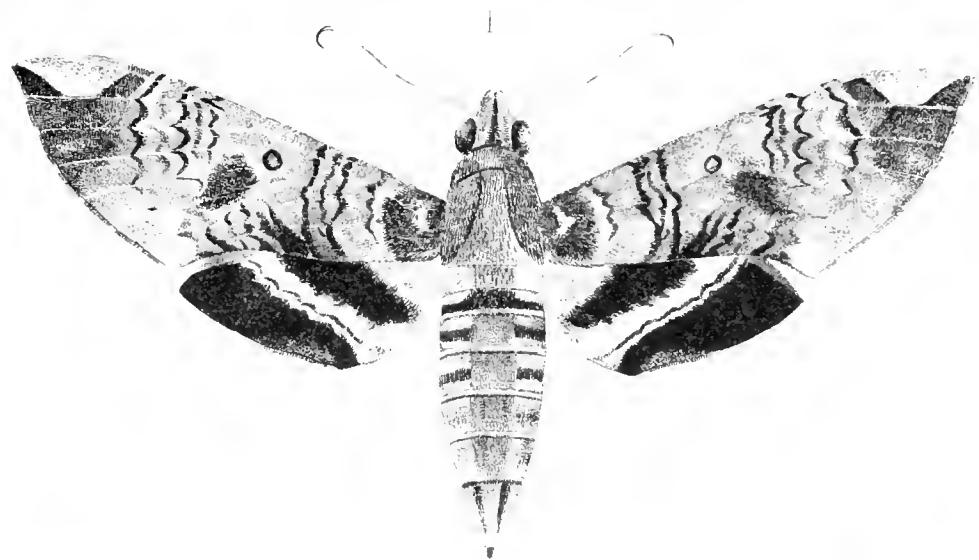
I MACROSLA OCHUS ♂

II MACROSLA ANTAEUS ♀

III MACROSLA FLORESTAN ♀

North American Lepidoptera.

PLATE 21.

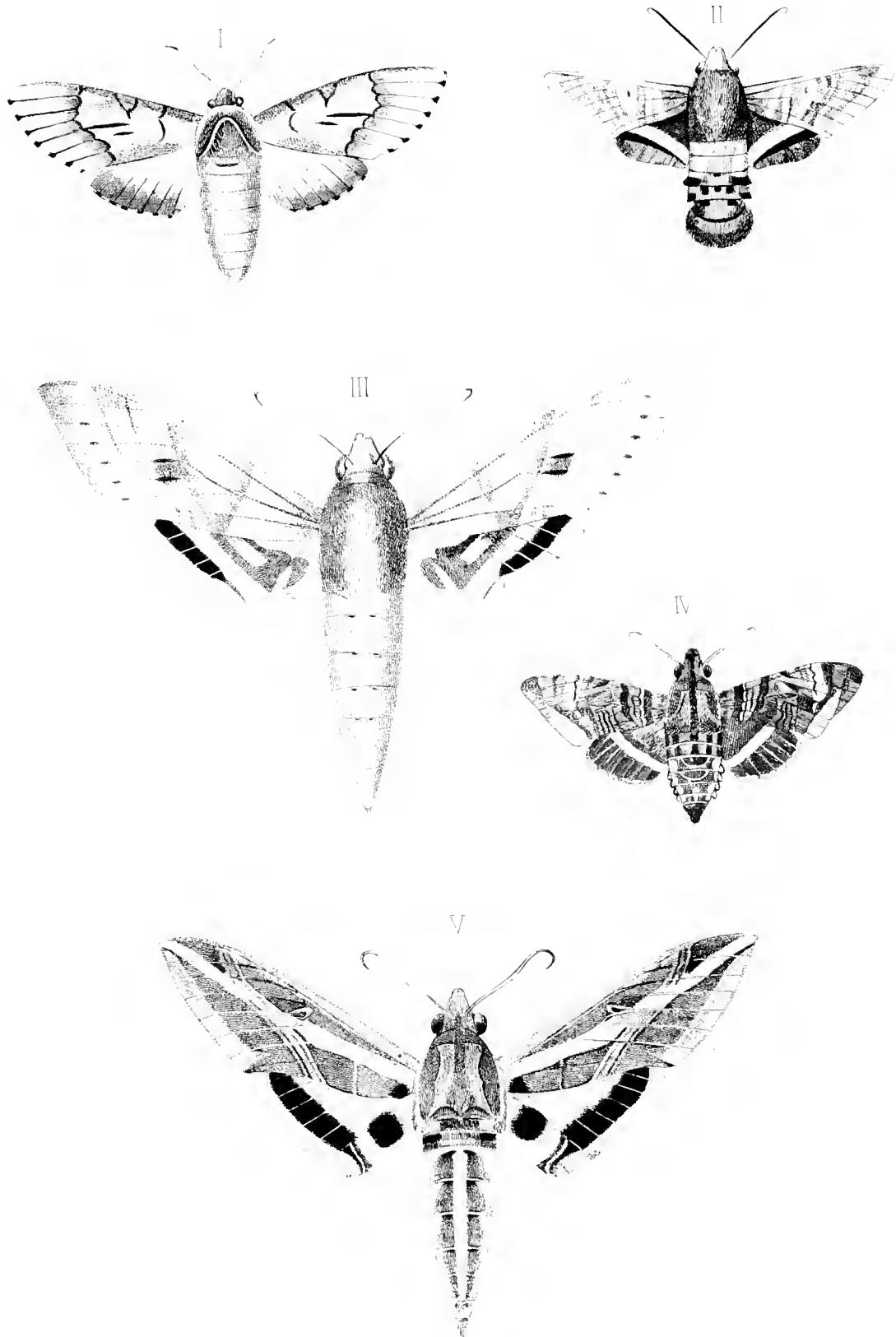


I PACHYLLA FICUS ♀

II PACHYLLA INORNATA ♀

II PHILAMPELUS TYPHON ♀

North American Lepidoptera.

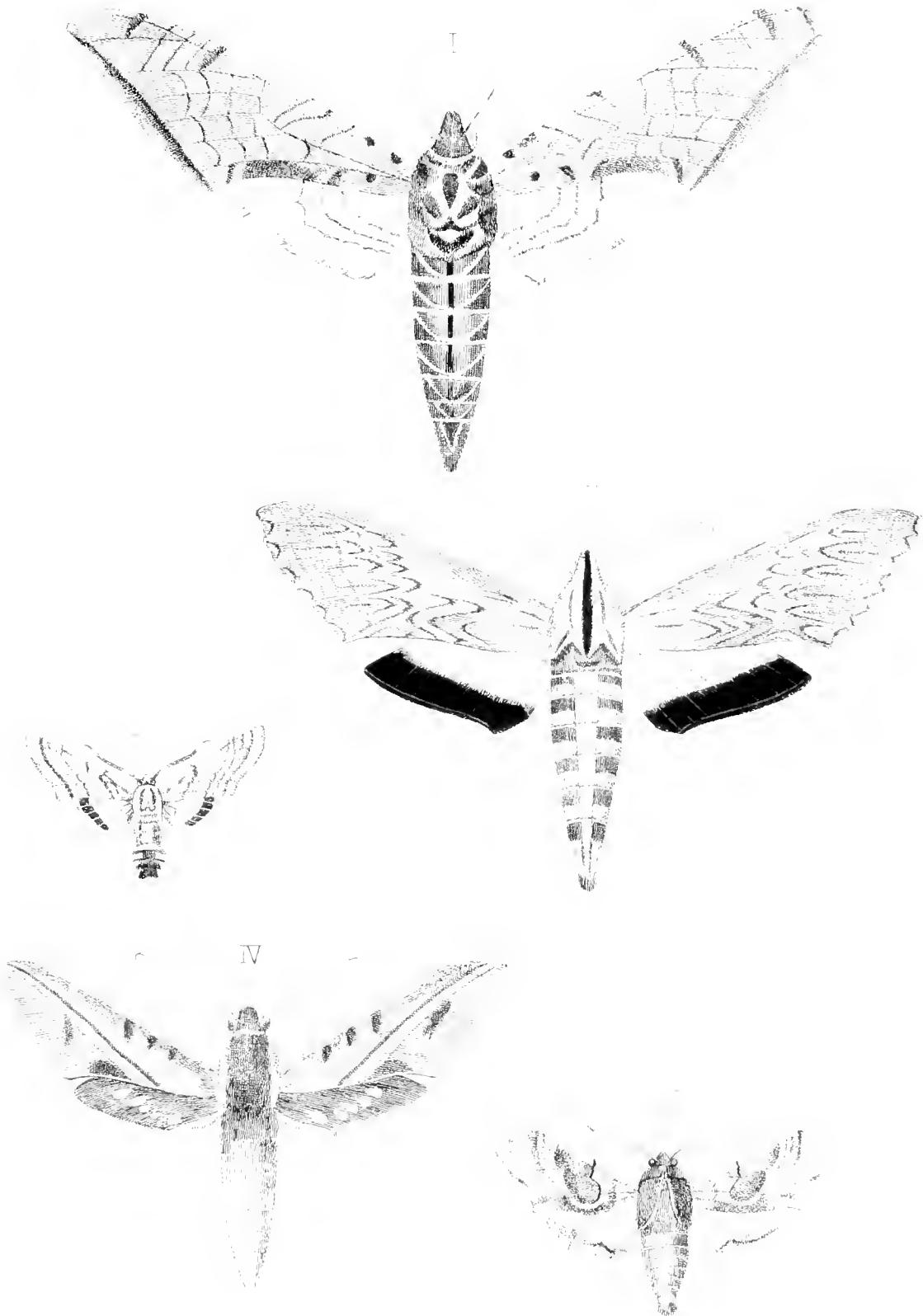


I PHRYXUS CONIFERARUM ♂
II MACROGLOSSA CECULUS ♂

V PHILAMPELUS VITIS ♀

III PHILAMPELUS LABRUSCAE ♀
IV MACROGLOSSA SAFFRA ♀

North American Lepidoptera.

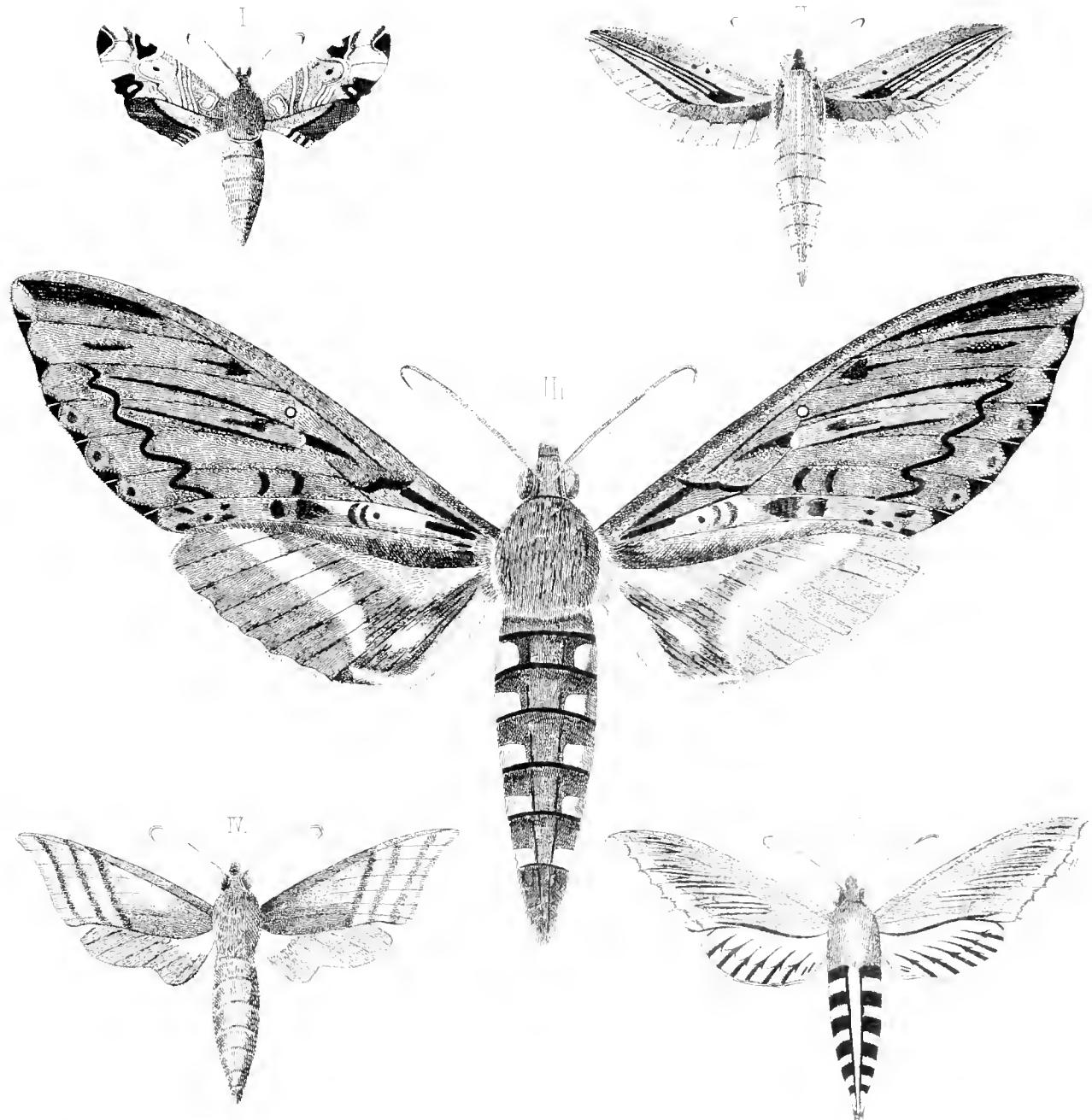


I AMBULYX STRIGILIS ♀
II ANCERYX ALOPE ♂

III PROSERPINUS TAFKIAE ♂

IV CHAEROCAMPA THIRON ♀

North American Lepidoptera.

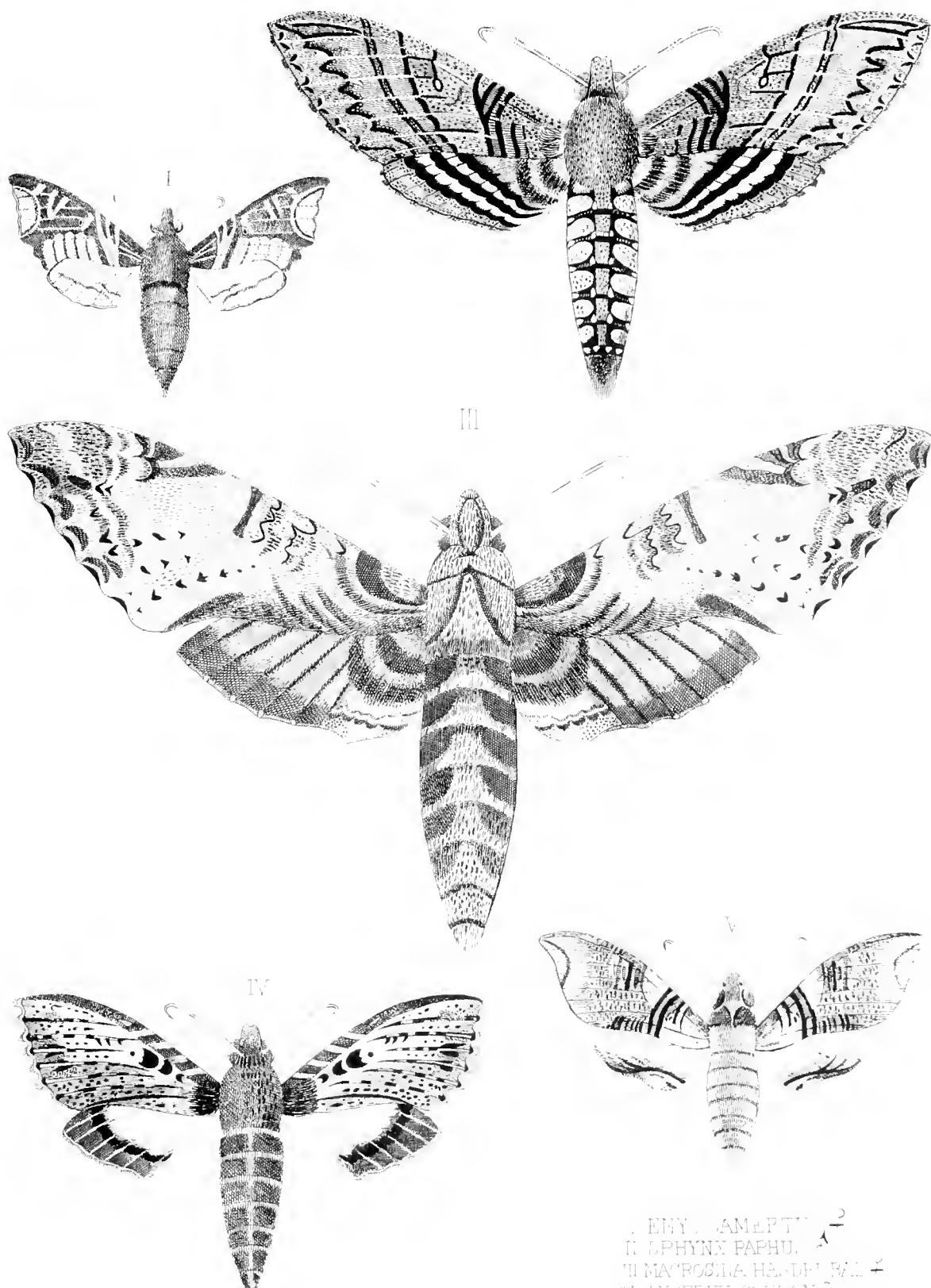


1. *LEUCALAJAIX* ♀
2. *HAEPALUMPA DRANGON* ♂

MANITOBA

1. *MA* ♂
2. *MA* ♂
3. *MA* ♂

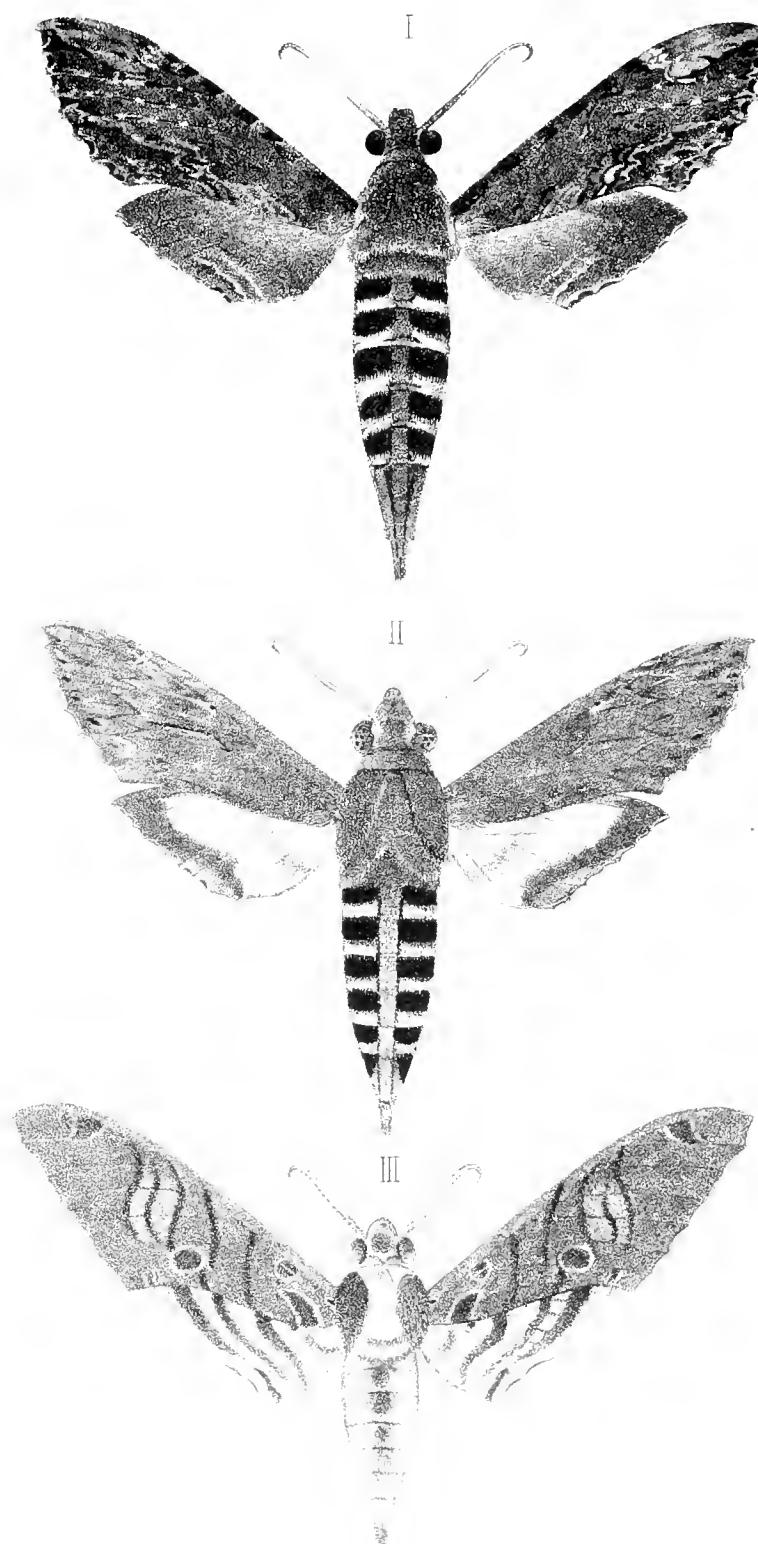
North American Lepidoptera.



I. ENY. AMERTI. ♀
II. SPHYNX PAPHU. ♂
III. MACROGLOSSIA HANDLIRAI. ♀
IV. ANISOGNATHUS CYRON. ♀
V. CALLIOMMA INCASUM. ♀

North American Lepidoptera.

PLATE XVI



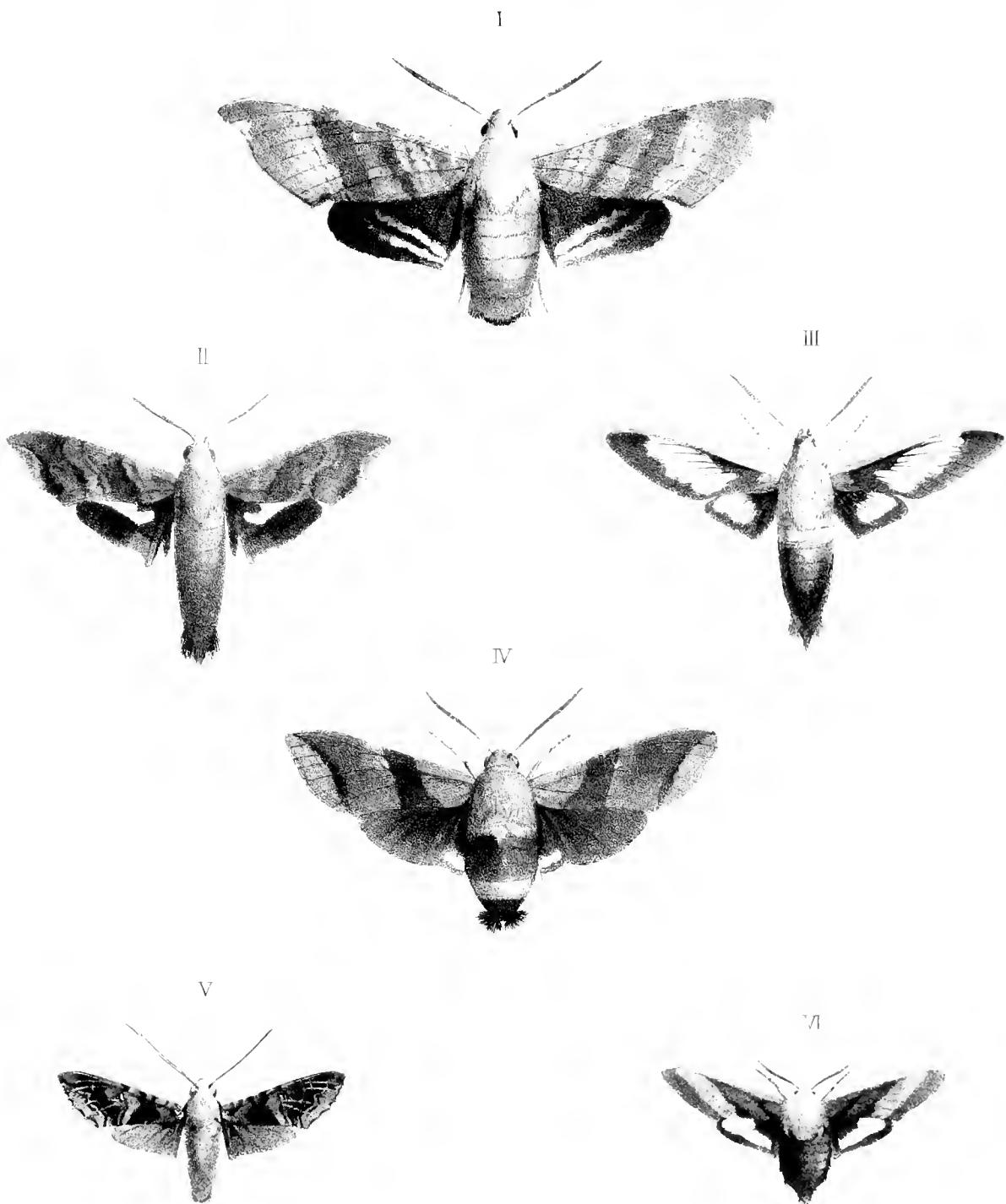
I ANCERYX OENOTRUS ♀

III. AMBULYA PANASCUS ♂

II ANCERYX ELLO ♀

North American Lepidoptera.

PLATE XVII

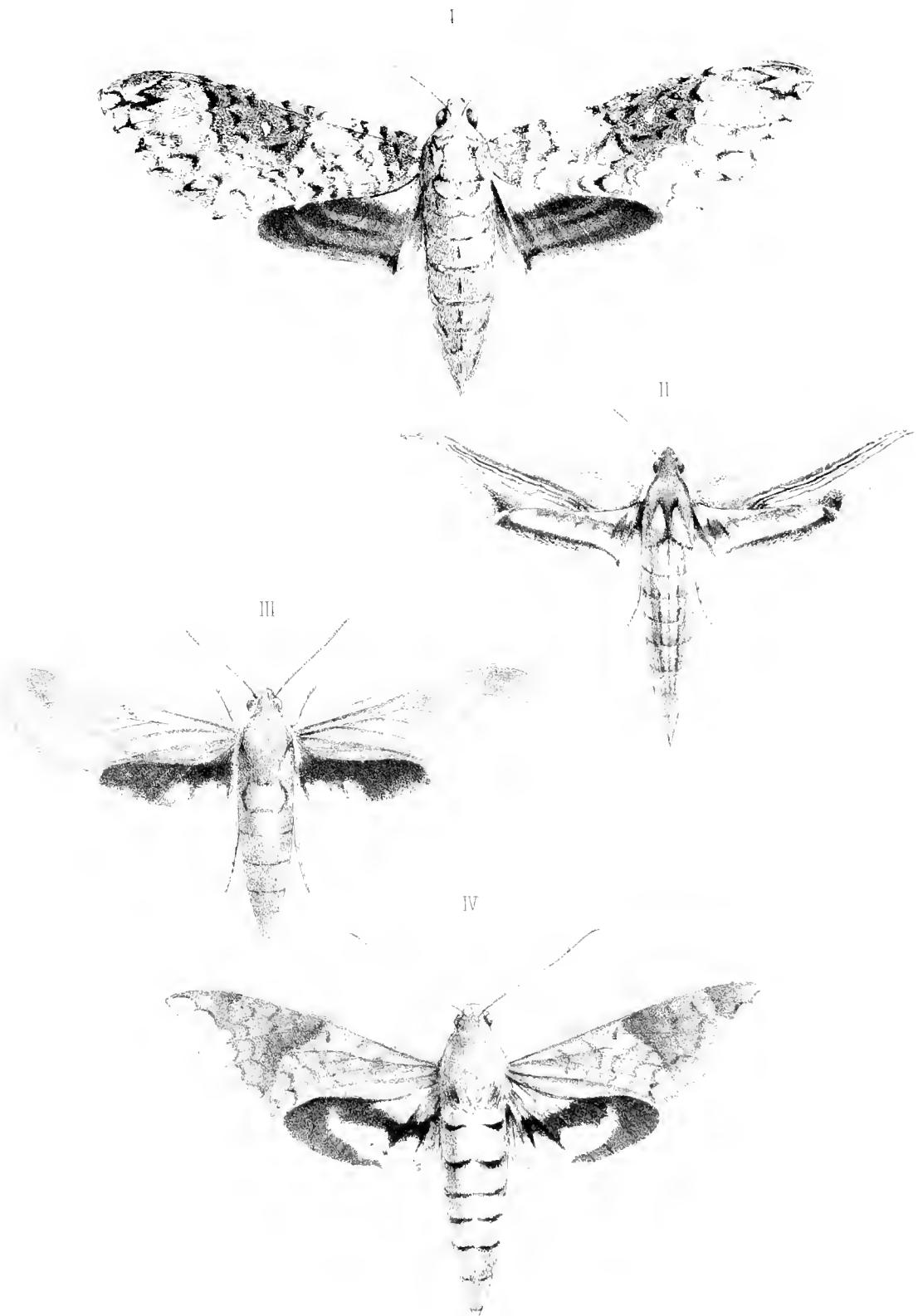


I PERIGONIA SUBHAMATA.
II PERIGONIA RESTITUTA
III SESIA FUSCICAUDIS

IV PERIGONIA GLAUCESCENS
V PERIGONIA UNDATA
VI MACROGLOSSA FLAVOFASCIA TA

North American Lepidoptera.

PLATE XVIII



I MACROSYLA COLLARES
II CHAROCAMPA FALCO
III DARAPSA RHODOCERA
IV PACHYLLIA RESUMENS

F. W. Robinson dels.

W. W. Gillette

Published by W. W. Gillette
and S. C. M. May
and W. B. D. Walker
New York

North American Lepidoptera.

PLATE XIX

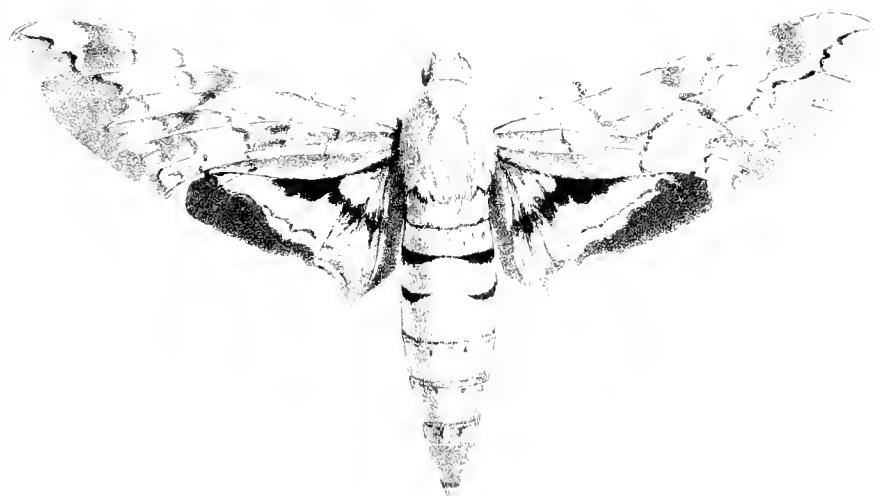
I



II



III



IV

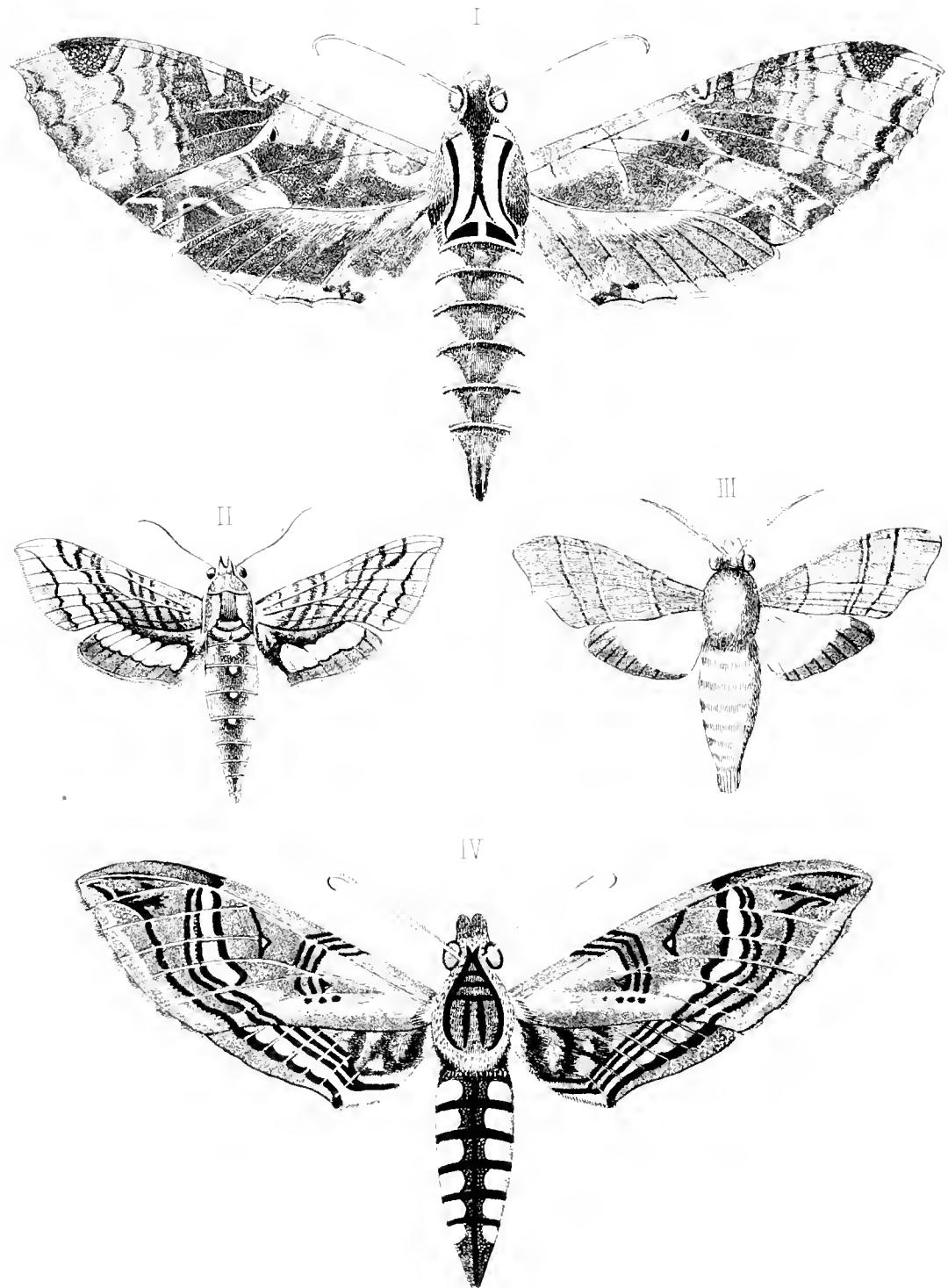


V



I LAPARA BOMBYCOIDES | III BACHYLIA INCONSPICUA
II ANCERYX GUTTULARIS | IV GENOSANDA NOCLUIFORMIS
V ARCTONOTUS LUCIDUS

North American Lepidoptera.



I PHILAMPLUS ANCHEMOLUS ♀
II PERGESA THORATES

III ENYO CHLOROPTERA ♀
IV . PHYNX HANNIBAL

North American Lepidoptera.

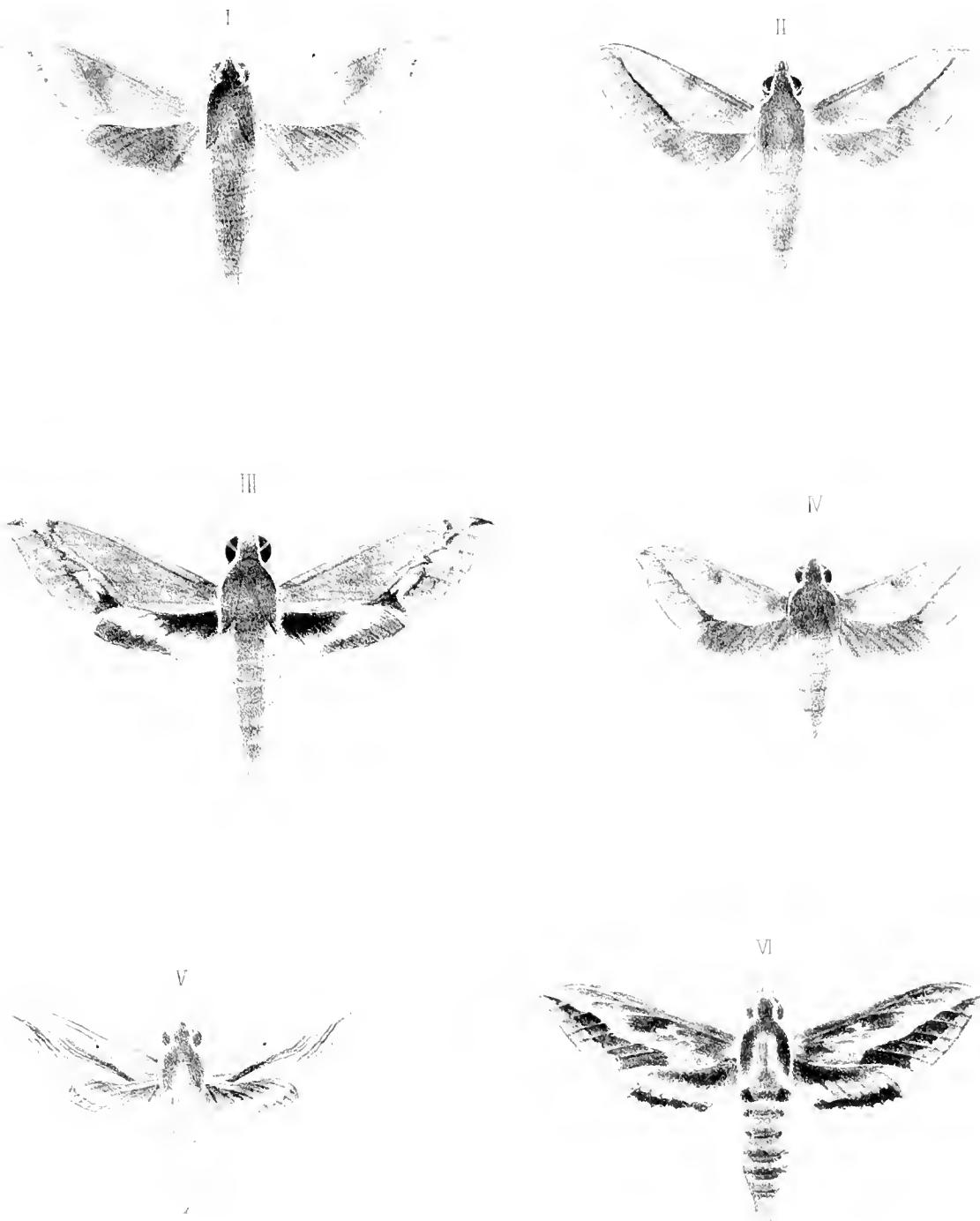


I. MACROGLOSSA TANTALUS ♂
II. ENYO GORCON ♀

III. SMERINTHUS CERISII ♂
IV. D^o WINGS ENLARGED

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WH. EDWARDS } New York

North American Lepidoptera.

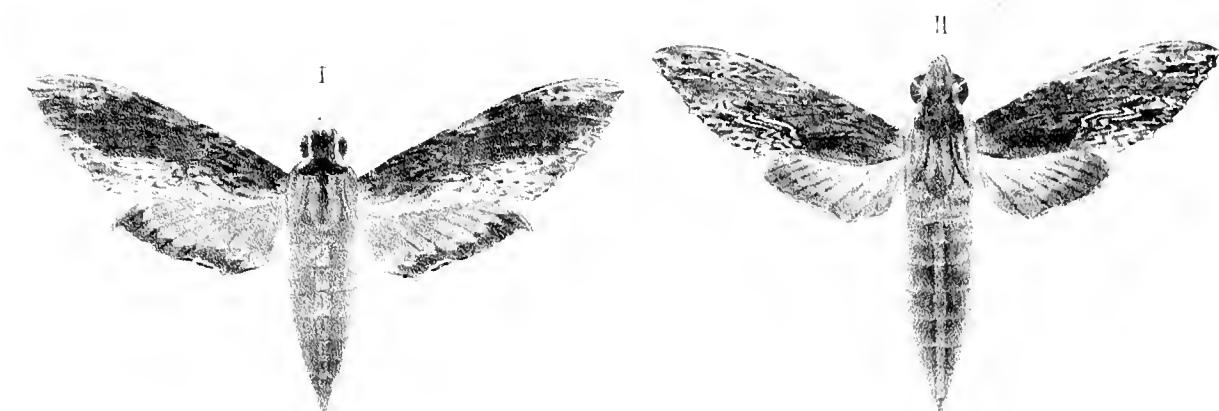


I CHÆ ROCAMPA PORCUS.
II CHÆ ROCAMPA IRRORATA.
III CHÆ ROCAMPA NECHUS.

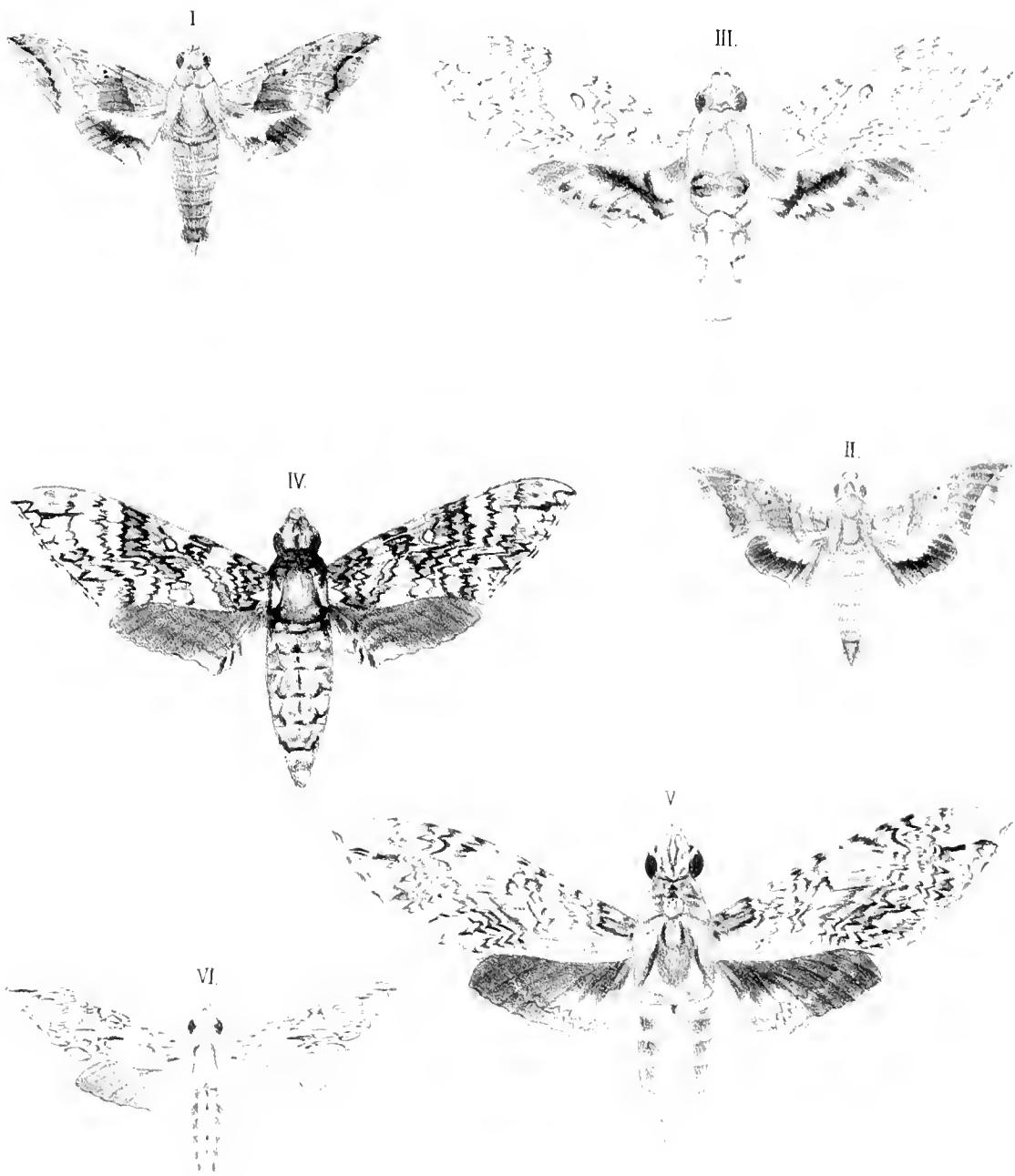
IV CHÆ ROCAMPA GUNDLACHII.
V CHÆ ROCAMPA ROBINSONII.
VI DEILEPHILA CALVERLEYI.

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and S. CALVERLEY
and W. H. EDWARDS } New York

North American Lepidoptera.

I. *ERINNYIS OENOTRUS*, ♀II. *ERINNYIS MELANCHOLICA*, ♂III. *ERINNYIS* — — —IV. *ERINNYIS ELLA*, ♂V. *ERINNYIS CONGRATULANS*, ♀VI. *ERINNYIS RIMOSA*, ♀

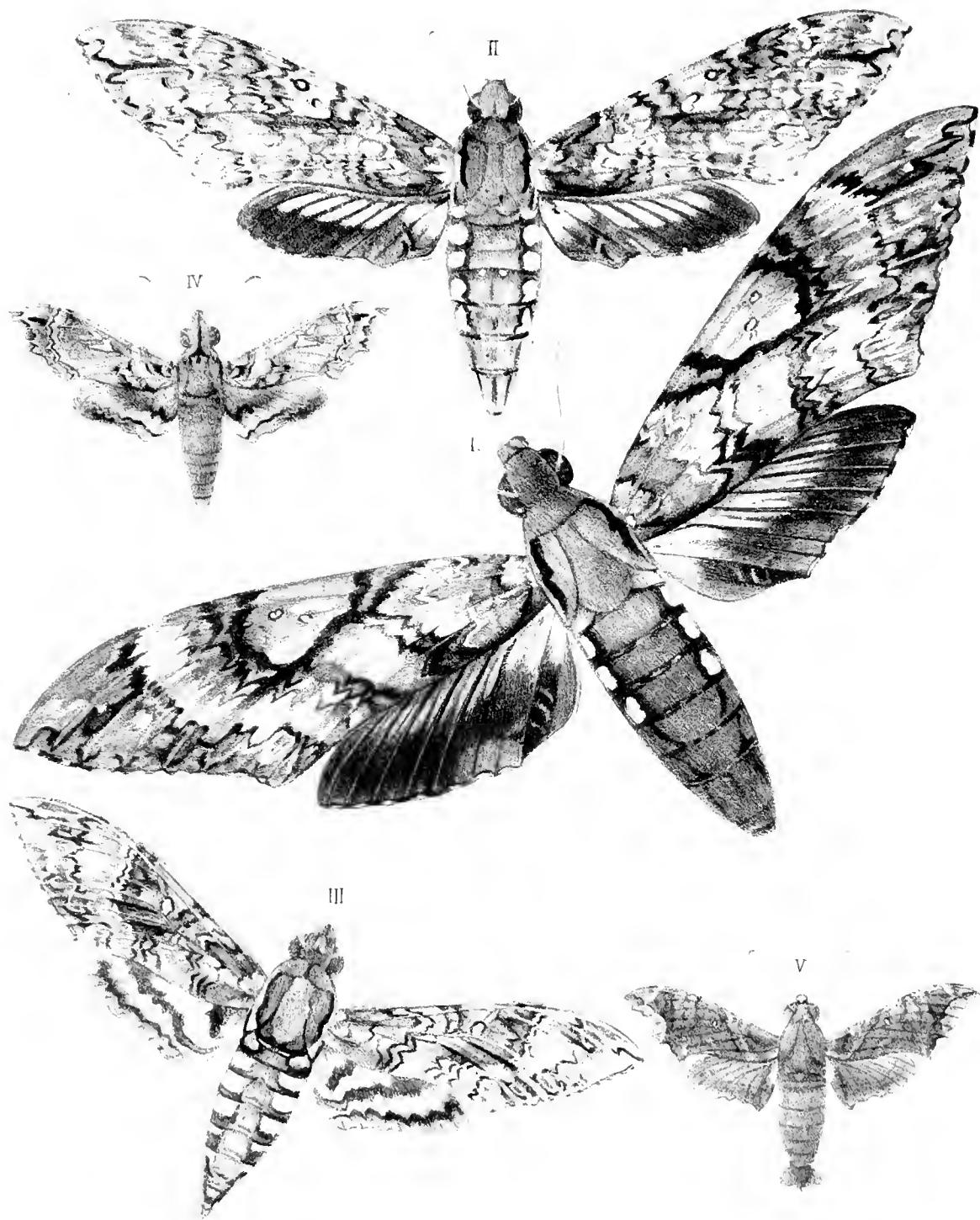
North American Lepidoptera.



I. PERIGONIA LUSCA, ♂
 II. PERIGONIA LEFEBVRII, ♀.
 III. SYZYGIA AFFLICTA, ♂.

IV. DILUDIA BRONTES, ♀.
 V. PSEUDOSPHINX TETRIO, ♂.
 VI. HYLOICUS POEYI,

North American Lepidoptera.

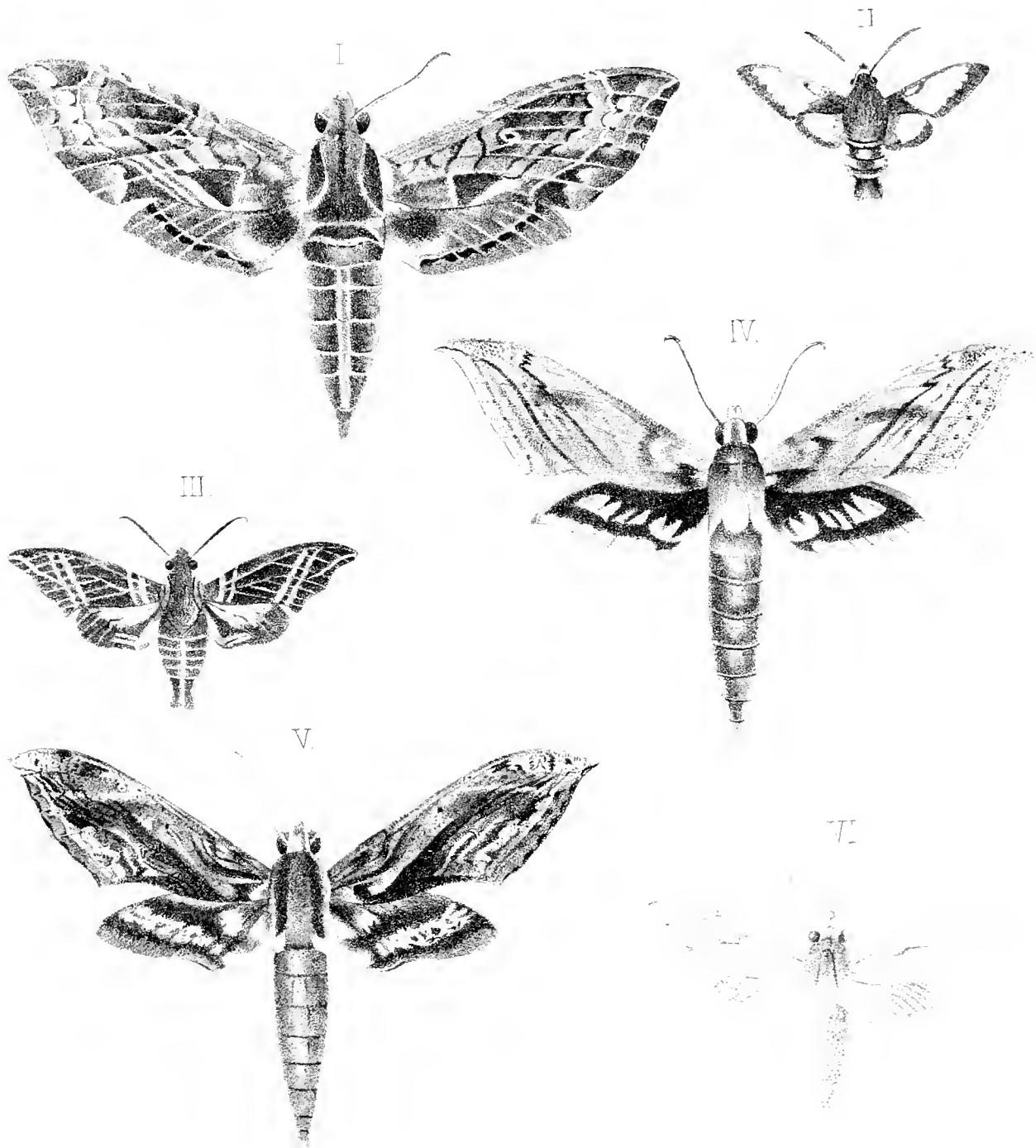


I AMPHONYX ANTÆUS, ♀.
II AMPHONYX DUPONCHEL, ♀.

III SPHINX CINGULATA, ♂.
IV HEMEROPLANES PSEUDOTHYREUS, ♂.

V ENYO DANUM, ♂.

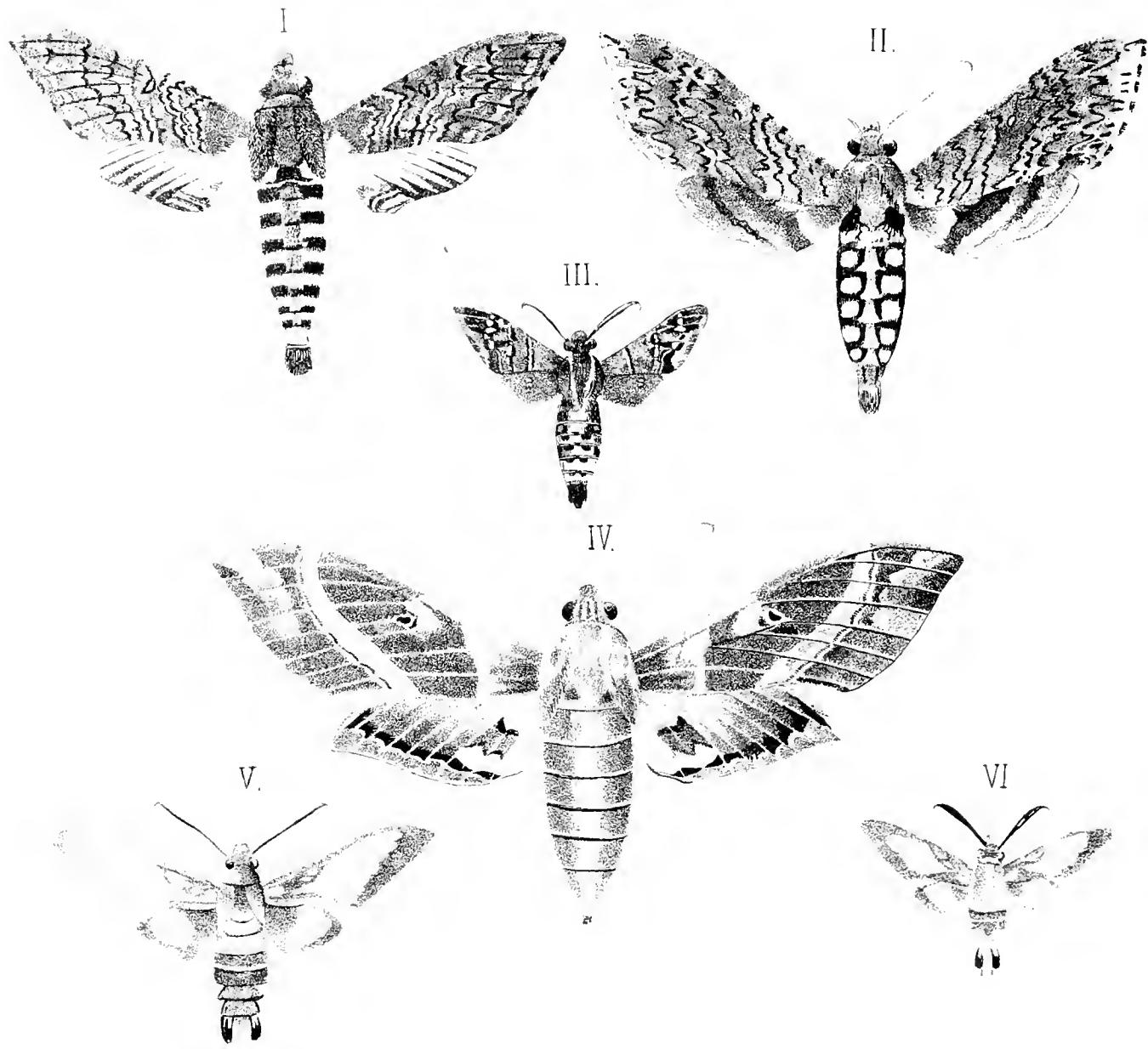
North American Lepidoptera.



I. *Phalaen. Macta* ♀
II. *Hemimelagia gracilis* ♂
III. *Perigonia divisa* ♂

IV. *A. campina* ♂ +
V. *Peritomia* ♂ +
VI. *Erinnyis pallida* ♂

North American Lepidoptera.



I DILOPHOPHORA CARICAE ♀
II MACROSILA AFFLITA ♀
III AELLOPOS BLAINI ♂

IV CHAEROCAMPA STRENUA ♀
V HAEMORRHAGIA BUFFALOENSIS ♂
VI HAEMORRHAGIA FLORIDENSIS ♂

c q QL Weidemeyer, John W.
548 Illustrations of
W4 North American Lepidop-
Ent. tera, Sphingidae.

qQL
548
W4
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